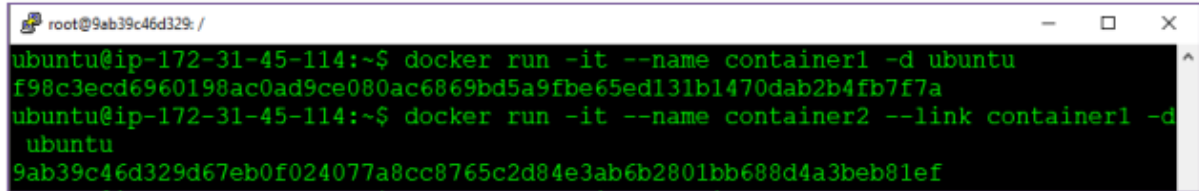




Hands-On: Linking Two Containers and Pinging

Step 1: Create and Run two docker containers namely container1 and container2 with Ubuntu image

```
$ docker run -it --name <name-of-container> --link <container-name> -d ubuntu
```

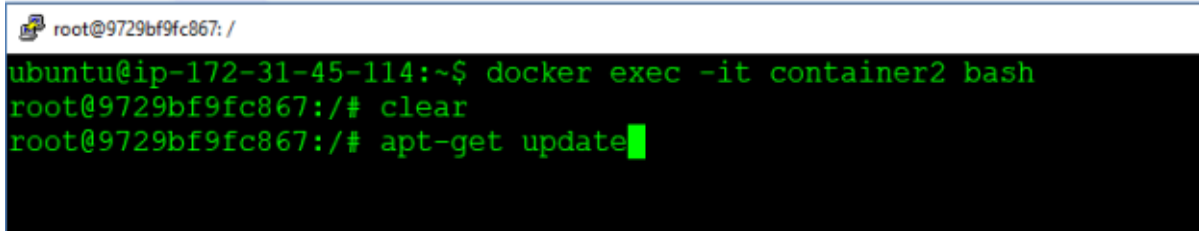


```
root@9ab39c46d329: /  
ubuntu@ip-172-31-45-114:~$ docker run -it --name container1 -d ubuntu  
f98c3ecd6960198ac0ad9ce080ac6869bd5a9fbe65ed131b1470dab2b4fb7f7a  
ubuntu@ip-172-31-45-114:~$ docker run -it --name container2 --link container1 -d  
ubuntu  
9ab39c46d329d67eb0f024077a8cc8765c2d84e3ab6b2801bb688d4a3beb81ef
```

Step 2: Exec into Container2, and update the container using the following commands:

```
$ docker exec -it <container-name> bash
```

```
$ sudo apt-get update
```



```
root@9729bf9fc867: /  
ubuntu@ip-172-31-45-114:~$ docker exec -it container2 bash  
root@9729bf9fc867:/# clear  
root@9729bf9fc867:/# apt-get update
```

Step 3: Now install the ping module on your container2

```
$ apt-get install iputils-ping
```

```
root@9729bf9fc867: /  
root@9729bf9fc867:/# apt-get install iputils-ping  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
iputils-ping is already the newest version (3:20161105-1ubuntu2).  
0 upgraded, 0 newly installed, 0 to remove and 3 not upgraded.  
root@9729bf9fc867:/#
```

Step 4: Finally, ping container 1 using the following command:

```
$ ping container1
```

```
root@9729bf9fc867: /  
root@9729bf9fc867:/# ping container1  
PING container1 (172.17.0.2) 56(84) bytes of data.  
64 bytes from container1 (172.17.0.2): icmp_seq=1 ttl=64 time=0.068 ms  
64 bytes from container1 (172.17.0.2): icmp_seq=2 ttl=64 time=0.055 ms  
64 bytes from container1 (172.17.0.2): icmp_seq=3 ttl=64 time=0.059 ms  
■
```